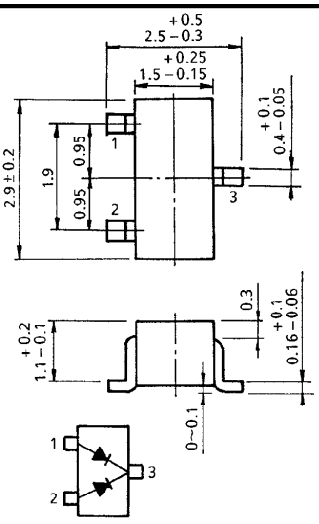
查询1SS321供应商

TOSHIBA DIODE SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

1SS321

LOW VOLTAGE HIGH SPEED SWITCHING.

Unit in mm



1. ANODE 1
2. ANODE 2
3. CATHODE 1, 2

S-MINI	
JEDEC	TO-236MOD
EIAJ	SC-59
TOSHIBA	1-3G1F

Weight : 0.012g

- Low Forward Voltage : $V_F = 0.42V$ (Typ.)
- Low Reverse Current : $I_R = 500nA$ (Max.)
- Small Package : SC-59 (SOT-23MOD)

MAXIMUM RATINGS (Ta = 25°C)

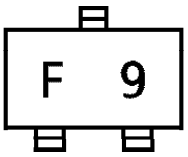
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	12	V
Reverse Voltage	V_R	10	V
Maximum (Peak) Forward Current	I_{FM}	150 (*)	mA
Average Forward Current	I_O	50 (*)	mA
Surge Current (t = 10ms)	I_{FSM}	1000 (*)	mA
Power Dissipation	P	150	mW
Junction Temperature	T_j	125	°C
Storage Temperature Range	T_{stg}	−55 ~ 125	°C

(*) Unit Rating. Total Rating = Unit Rating × 1.5.

ELECTRICAL CHARACTERISTICS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Forward Voltage	$V_{F(1)}$	$I_F = 1mA$	—	0.32	—	V
	$V_{F(2)}$	$I_F = 10mA$	—	0.42	—	
	$V_{F(3)}$	$I_F = 50mA$	—	0.63	1.00	
Reverse Current	I_R	$V_R = 10V$	—	—	500	nA
Total Capacitance	C_T	$V_R = 0$, f = 1MHz	—	3.2	4.5	pF

MARKING



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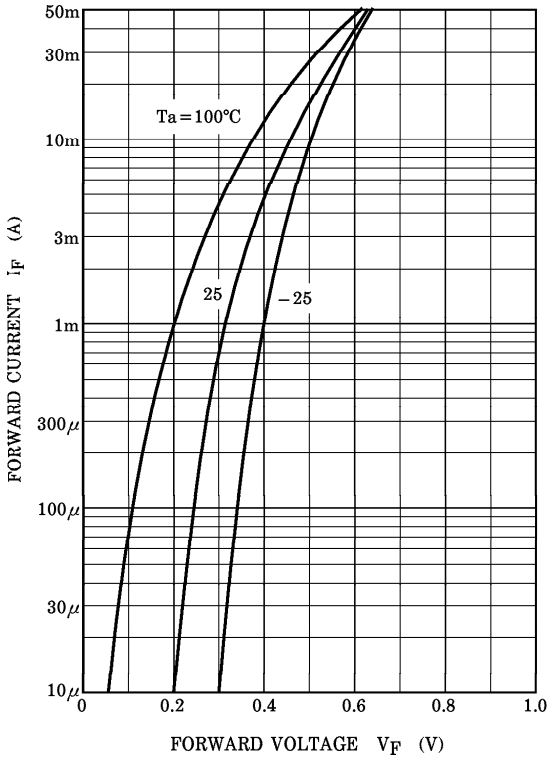
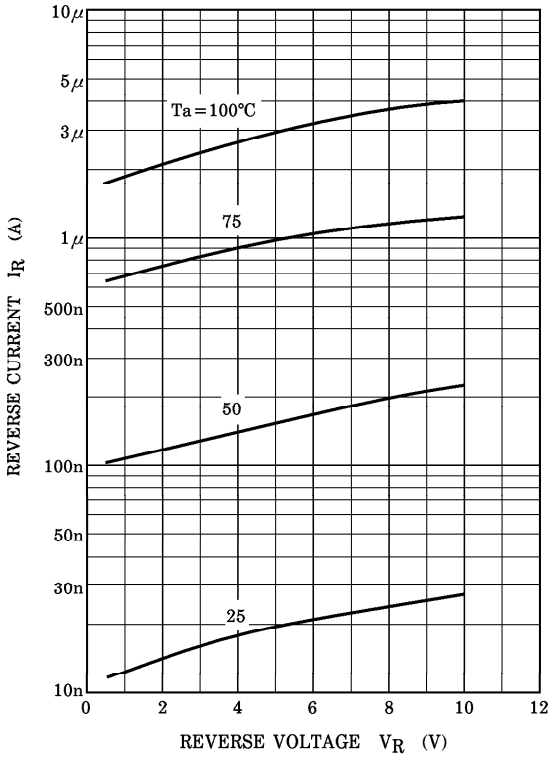
● TOSHIBA is continually working to improve the quality and the reliability of its products. Nevertheless, semiconductor devices in general can malfunction or fail due to their inherent electrical sensitivity and vulnerability to physical stress. It is the responsibility of the buyer, when utilizing TOSHIBA products, to observe standards of safety, and to avoid situations in which a malfunction or failure of a TOSHIBA product could cause loss of human life, bodily injury or damage to property. In developing your designs, please ensure that TOSHIBA products are used within specified operating ranges as set forth in the most recent products specifications. Also, please keep in mind the precautions and conditions set forth in the TOSHIBA Semiconductor Reliability Handbook.

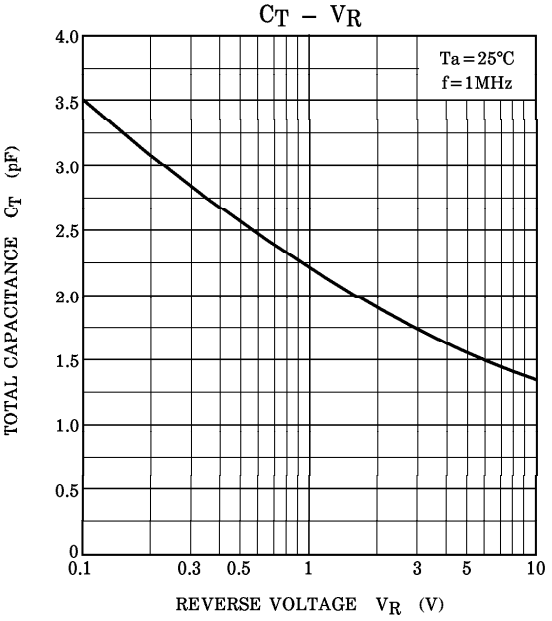
$I_F - V_F$



$I_R - V_R$



$C_T - V_R$



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